Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097447.D
Acq On : 7 Aug 2017 23:41
Operator : SJ/JU
Sample : I4638-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 303

Quant Time: Aug 08 04:51:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	89524	20.00	ng		0.00
21) Naphthalene-d8	7.69	136	373251	20.00	ng		0.00
38) Acenaphthene-d10	9.43	164	129545	20.00	ng		0.00
63) Phenanthrene-d10	10.91	188	189949	20.00	ng		0.00
75) Chrysene-d12	13.53	240	194042	20.00	ng		0.00
86) Perylene-d12	14.87	264	126393	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.00	112	577568	97.26	ng		0.00
7) Phenol-d6	6.09	99	761300	112.29	ng		0.00
23) Nitrobenzene-d5	6.98	82	415308	65.27	ng		-0.01
41) 2,4,6-Tribromophenol	10.23	330	99877	97.58	ng		0.00
44) 2-Fluorobiphenyl	8.77	172	529944	69.42	ng		0.00
78) Terphenyl-d14	12.49	244	358737	37.69	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	6.99	70	54702	12.26	ng	#	88
25) Isophorone	6.98	82	415305	33.33	ng	#	67
31) Naphthalene	7.72	128	37105	2.11	ng		97
49) Dimethylphthalate	9.17	163	71427	7.26	ng		99
55) 4-Nitrophenol	9.65	139	4866	3.16	ng	#	25
56) 2,4-Dinitrotoluene	9.43	165	16603	6.92	ng	#	31
57) Fluorene	9.99	166	18405	2.50	ng		91
66) 4-Bromophenyl-phenylether	10.23	248	5978	3.15	ng	#	1
70) Phenanthrene	10.93	178	126017	12.38	ng		98
71) Anthracene	10.99	178	29659	2.85	ng		98
74) Fluoranthene	12.12	202	174828	17.53	ng		97
77) Pyrene	12.34	202	160716	10.12	ng		100
80) Benzo(a)anthracene	13.52	228	67955	5.41	ng		99
82) Chrysene	13.56	228	61025	4.98	ng		98
87) Benzo(b)fluoranthene	14.53	252	73419	9.66	ng	#	95
88) Benzo(k)fluoranthene	14.53	252	73419	10.14	ng		98
89) Benzo(a)pyrene	14.83	252	37982	5.46	ng	#	94
91) Benzo(g,h,i)perylene	16.43	276	17234	2.88	ng		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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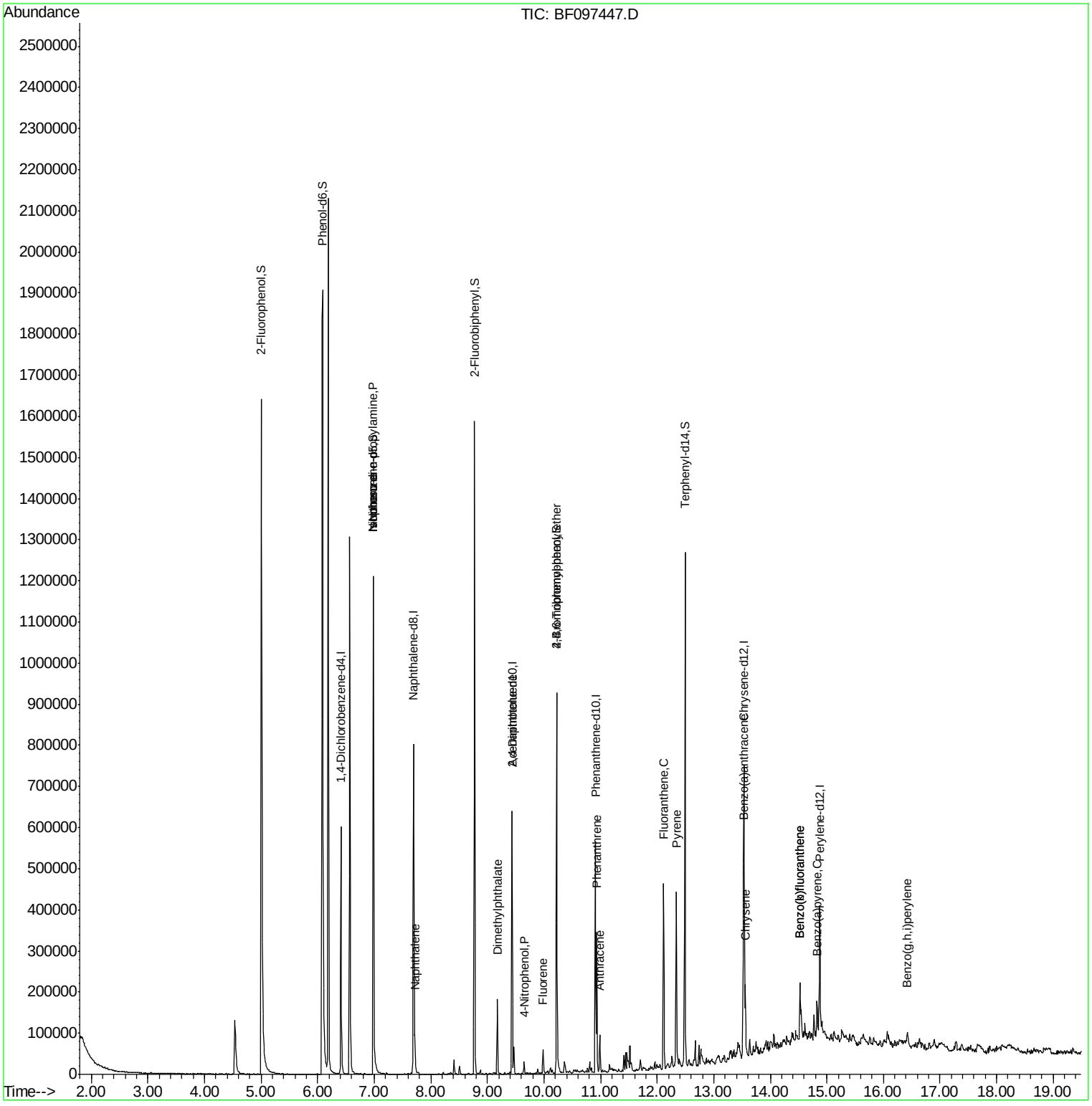
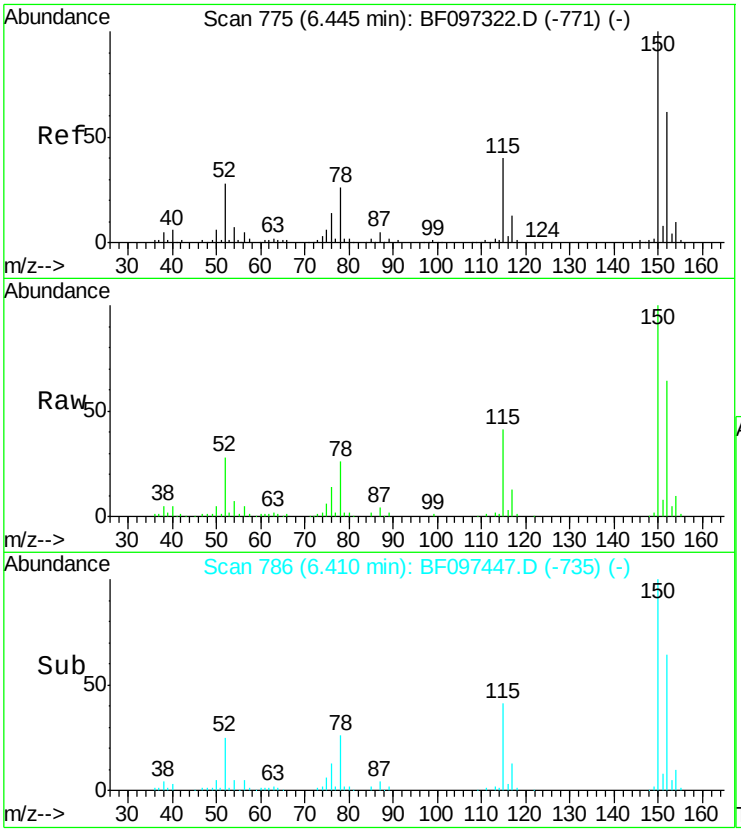


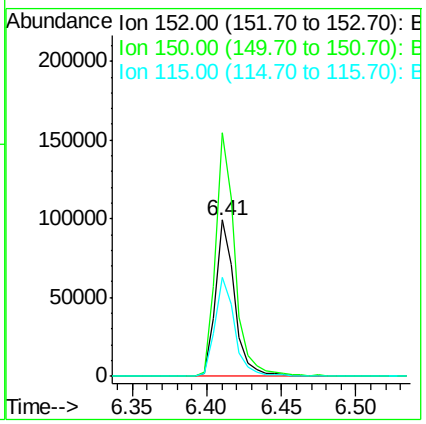


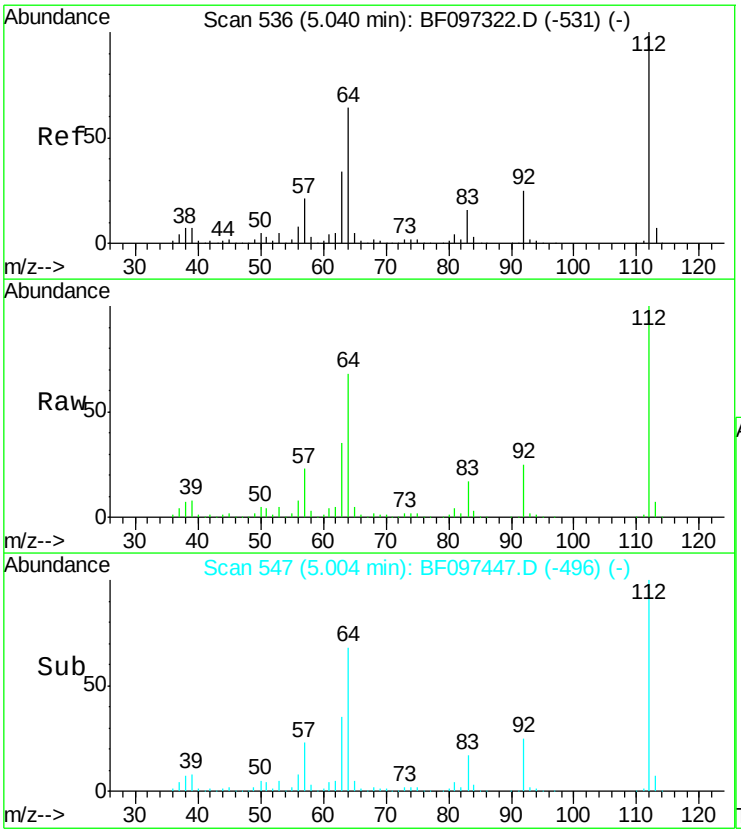
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:152 Resp: 89524

Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	63.3	52.2	78.2

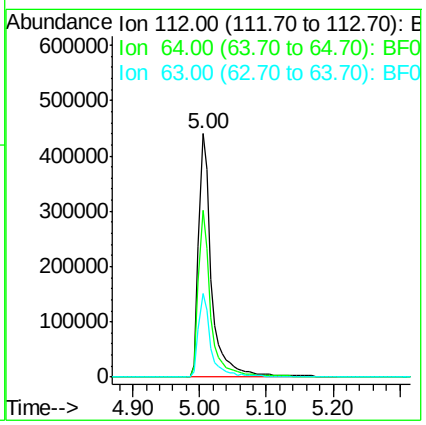


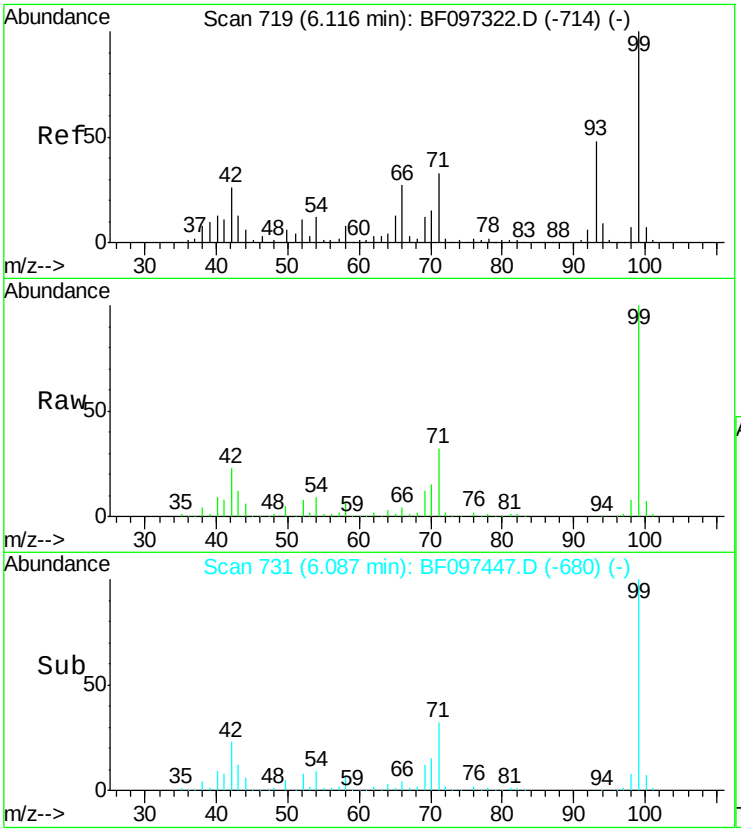


#5
2-Fluorophenol
Concen: 97.26 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:112 Resp: 577568

Ion	Ratio	Lower	Upper
112	100		
64	68.4	46.0	69.0
63	34.5	23.4	35.0



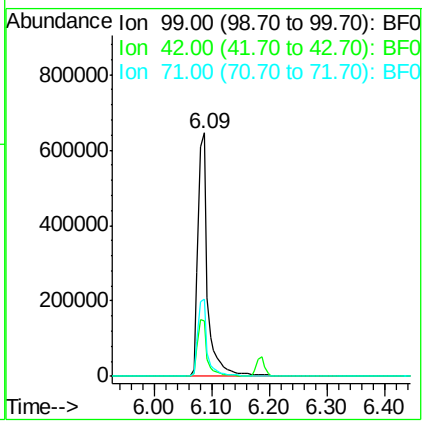


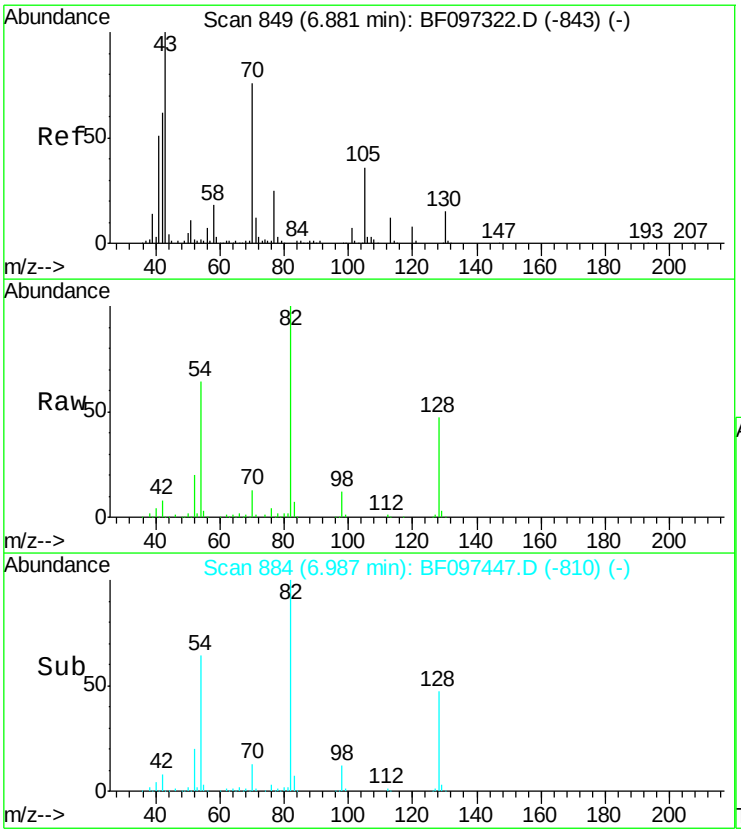
#7
Phenol-d6
Concen: 112.29 ng
RT: 6.09 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion: 99 Resp: 761300

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	31.6	24.5	36.7

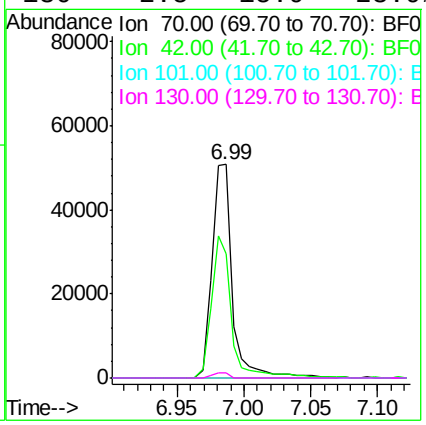


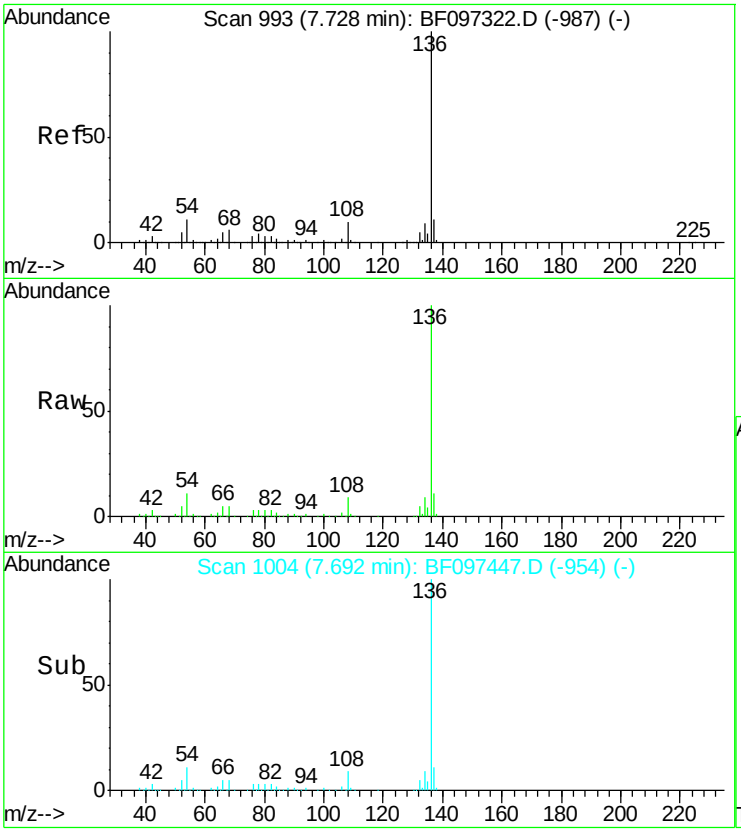


#19
n-Nitroso-di-n-propylamine
Concen: 12.26 ng
RT: 6.99 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion: 70 Resp: 54702

Ion	Ratio	Lower	Upper
70	100		
42	58.2	47.2	70.8
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#



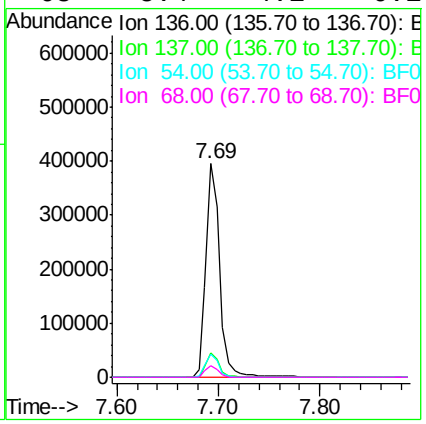


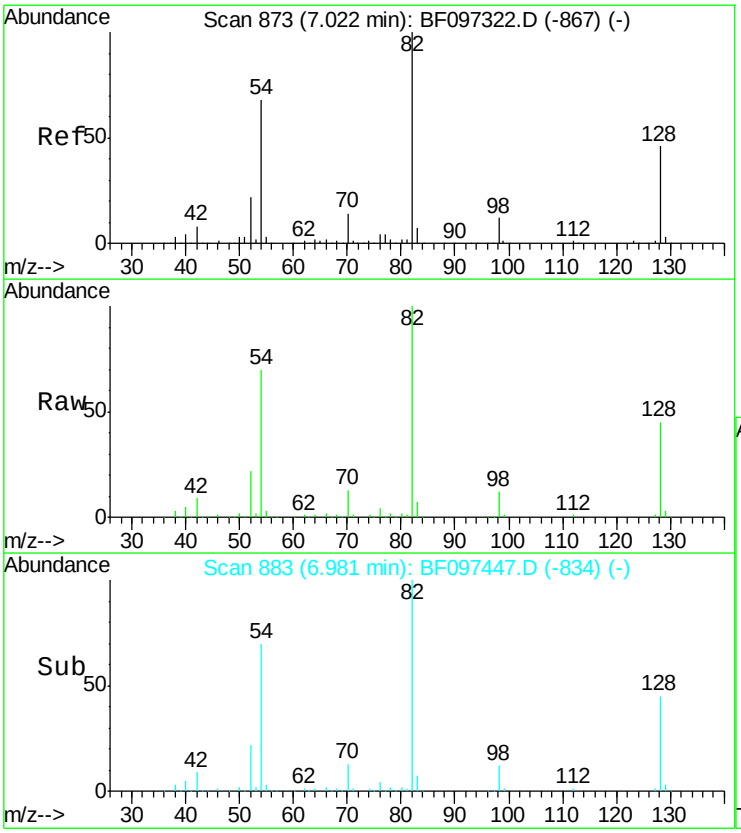
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:136 Resp: 373251

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.8	4.9	7.3#
68	5.4	4.1	6.1

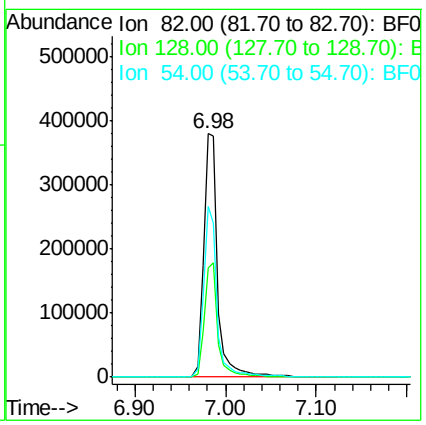


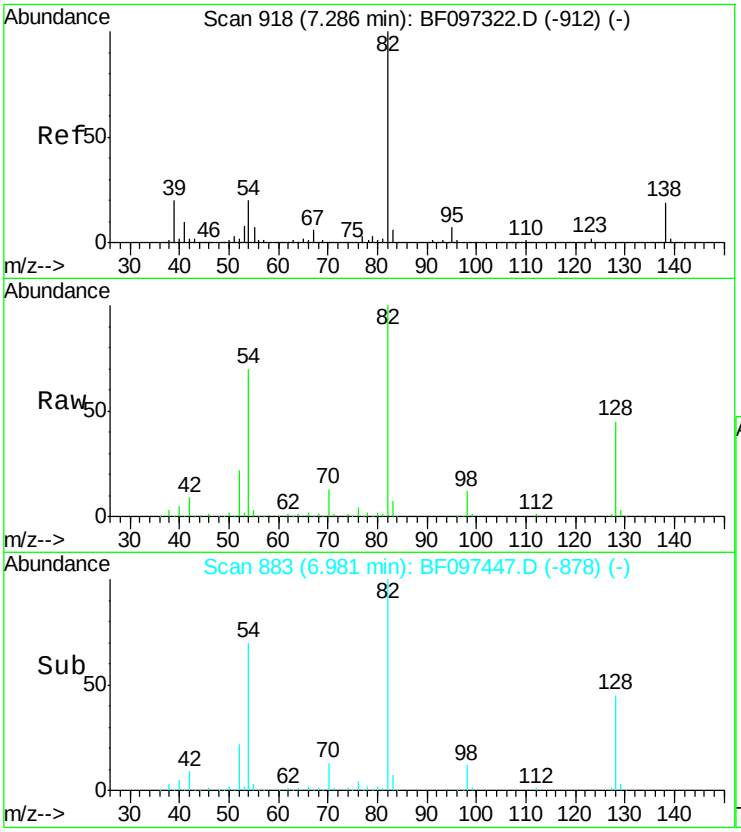


#23
Nitrobenzene-d5
Concen: 65.27 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion: 82 Resp: 415308

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.0	51.0
54	69.9	42.2	63.2#



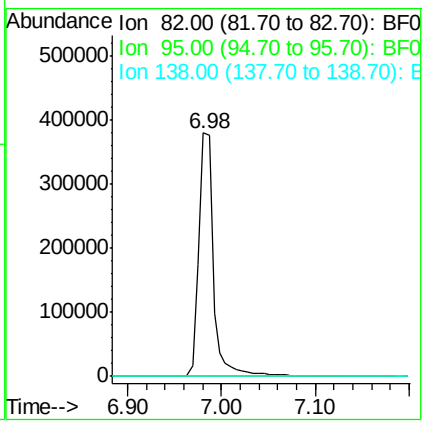


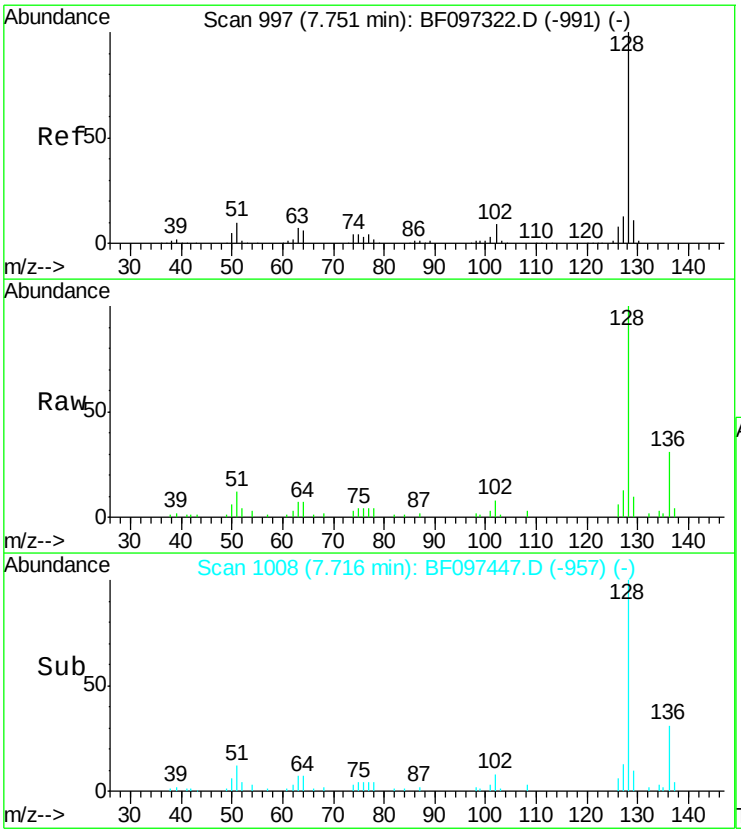
#25
Isophorone
Concen: 33.33 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion: 82 Resp: 415305

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

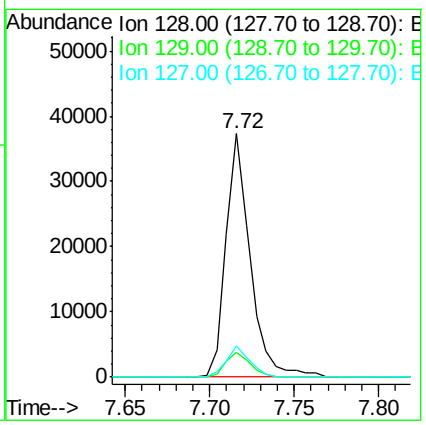


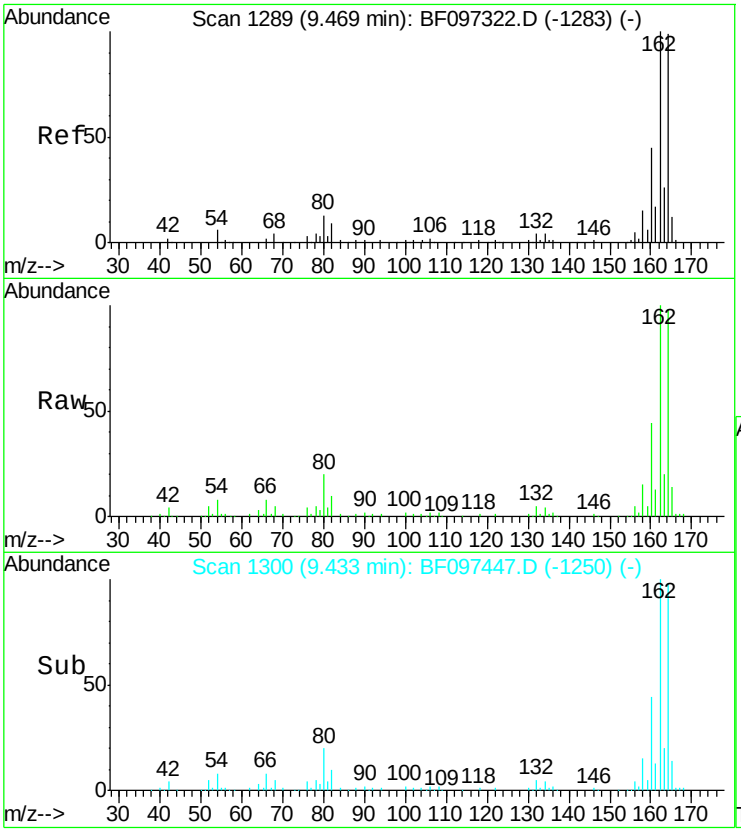


#31
Naphthalene
Concen: 2.11 ng
RT: 7.72 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:128 Resp: 37105

Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	12.6	10.8	16.2



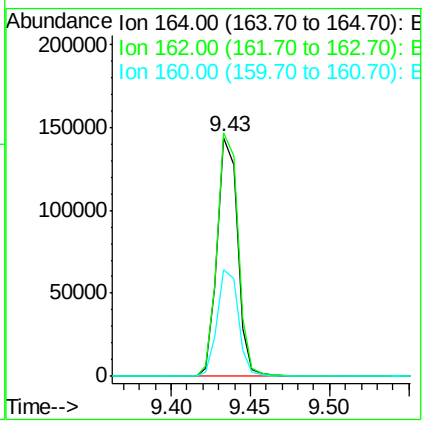


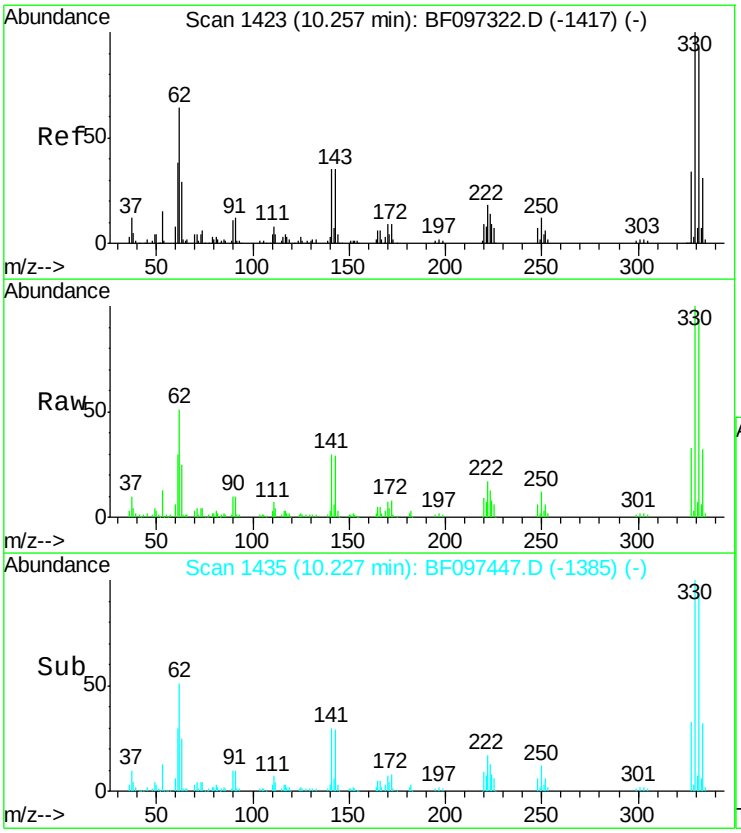
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:164 Resp: 129545

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	123.8
160	44.7	36.2	54.2

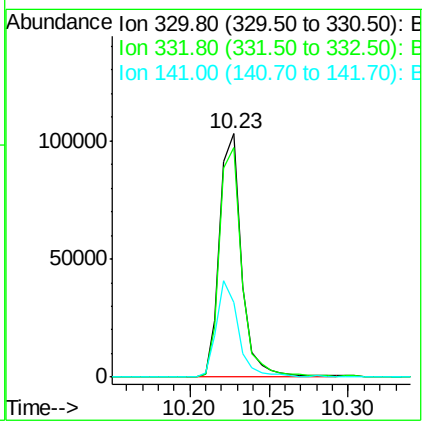


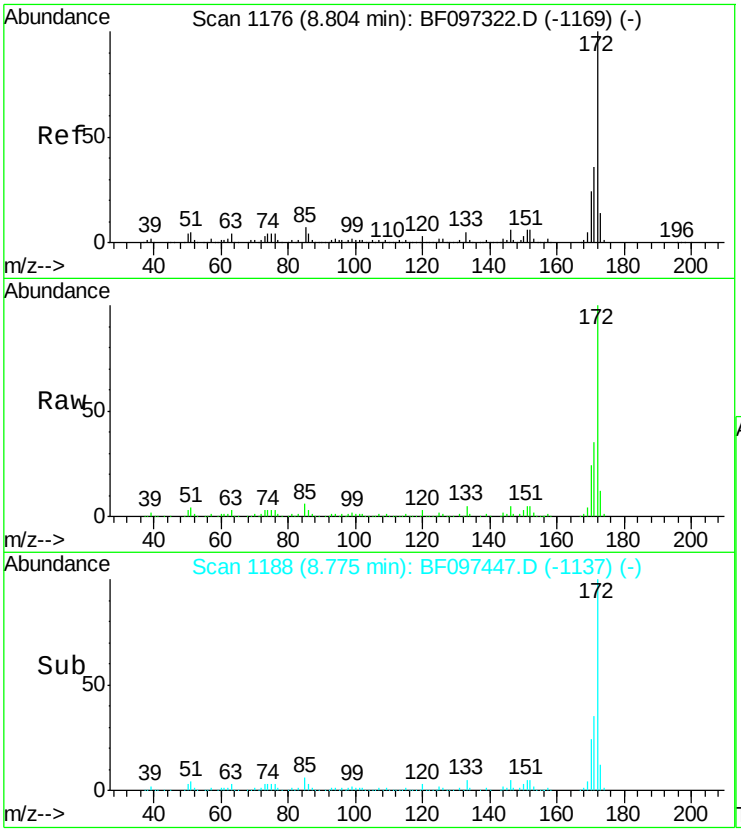


#41
2,4,6-Tribromophenol
Concen: 97.58 ng
RT: 10.23 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:330 Resp: 99877

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	39.4	31.4	47.2



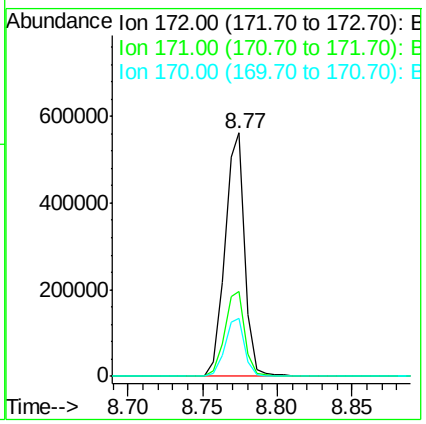


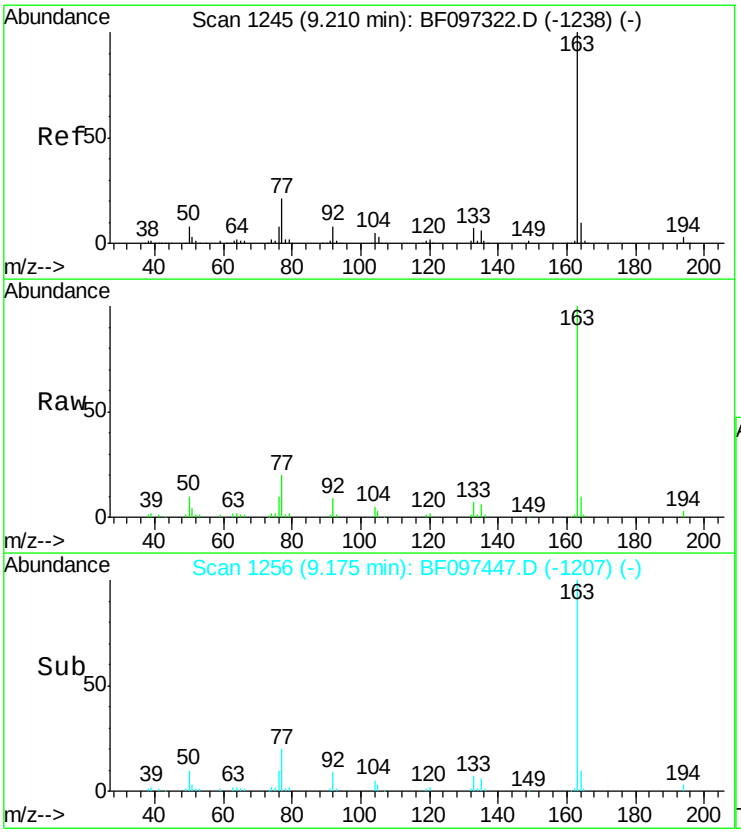
#44
2-Fluorobiphenyl
Concen: 69.42 ng
RT: 8.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:172 Resp: 529944

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.6	19.8	29.8

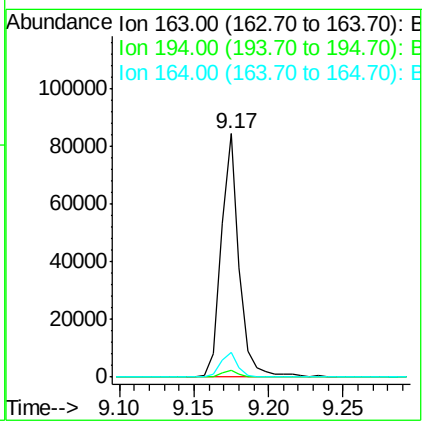


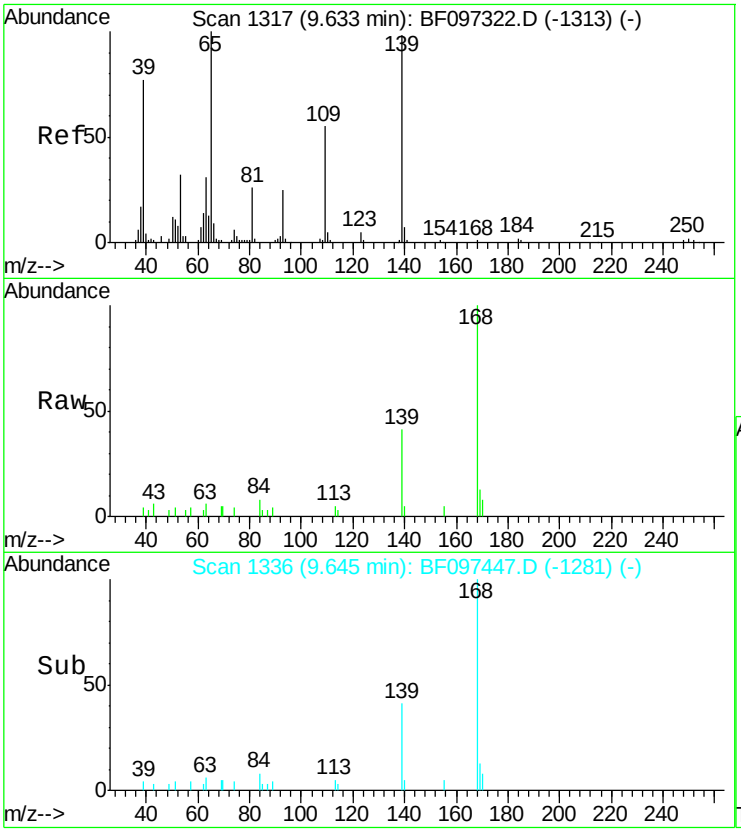


#49
Dimethylphthalate
Concen: 7.26 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:163 Resp: 71427

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	4.0
164	10.4	8.4	12.6



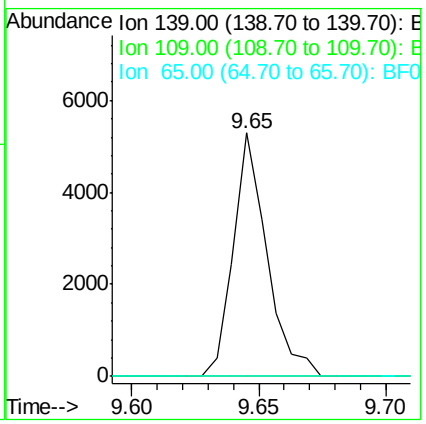


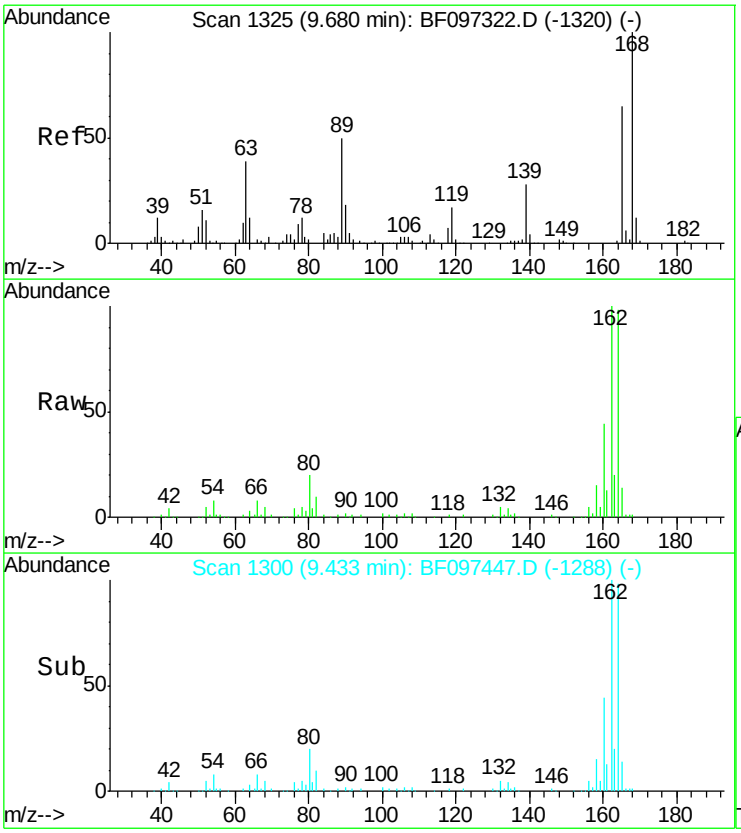
#55
4-Nitrophenol
Concen: 3.16 ng
RT: 9.65 min Scan# 1336
Delta R.T. 0.02 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:139 Resp: 4866

Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

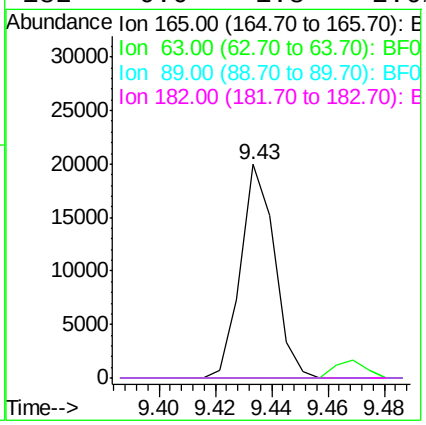


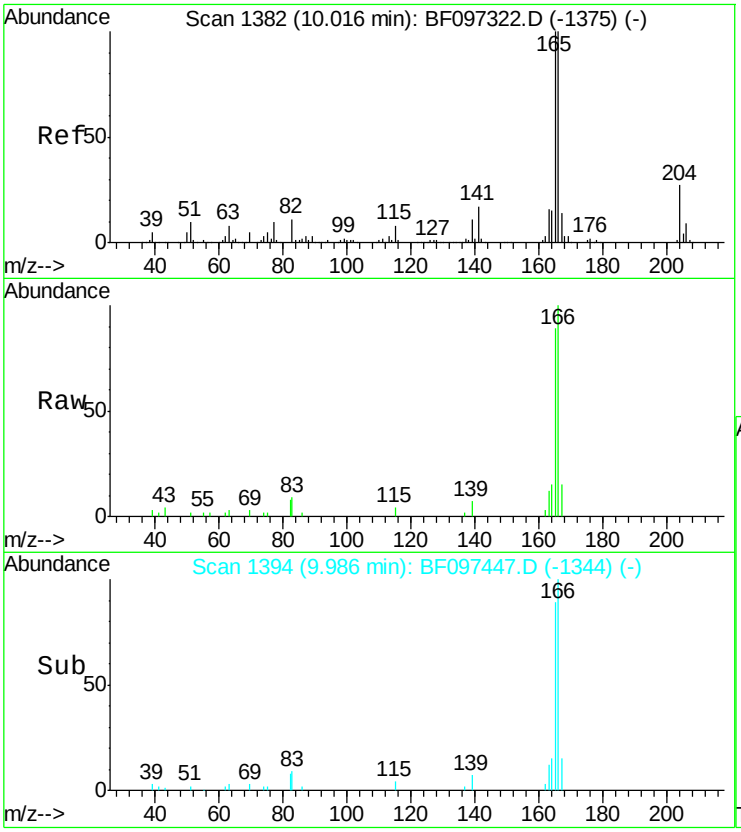


#56
2,4-Dinitrotoluene
Concen: 6.92 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.23 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:165 Resp: 16603

Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



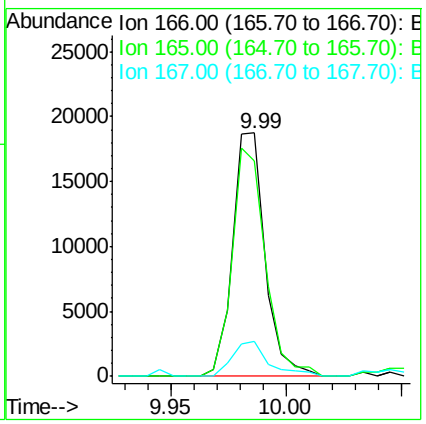


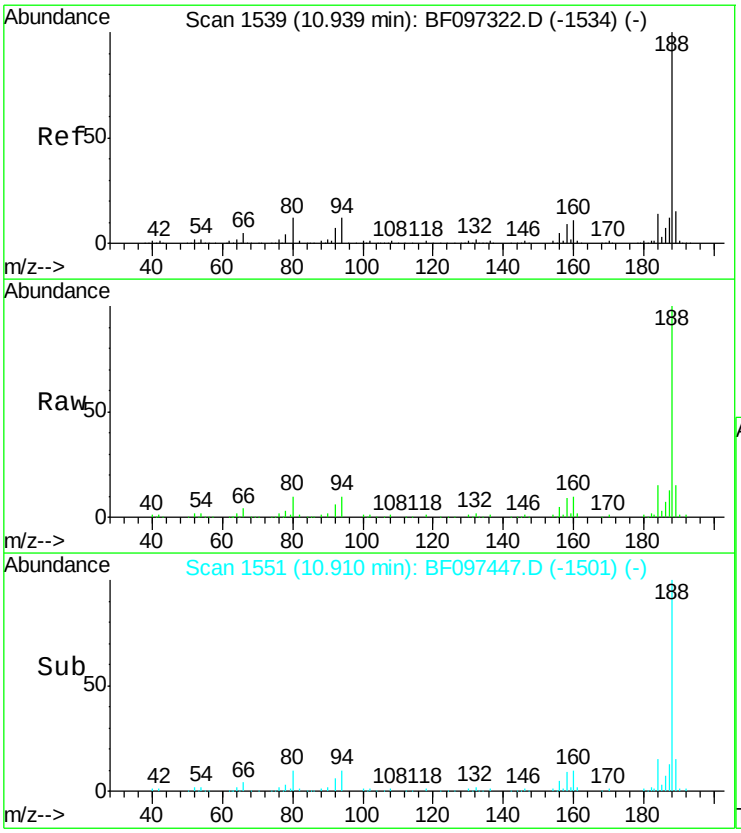
#57
Fluorene
Concen: 2.50 ng
RT: 9.99 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:166 Resp: 18405

Ion	Ratio	Lower	Upper
166	100		
165	88.7	78.8	118.2
167	14.5	10.6	16.0

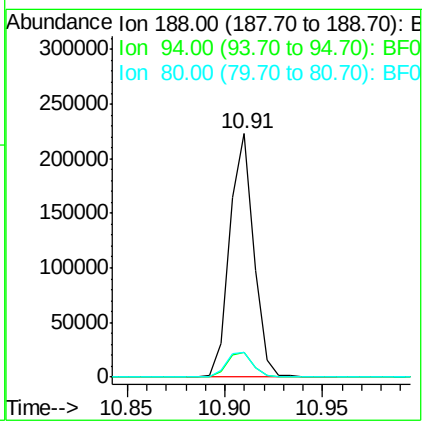


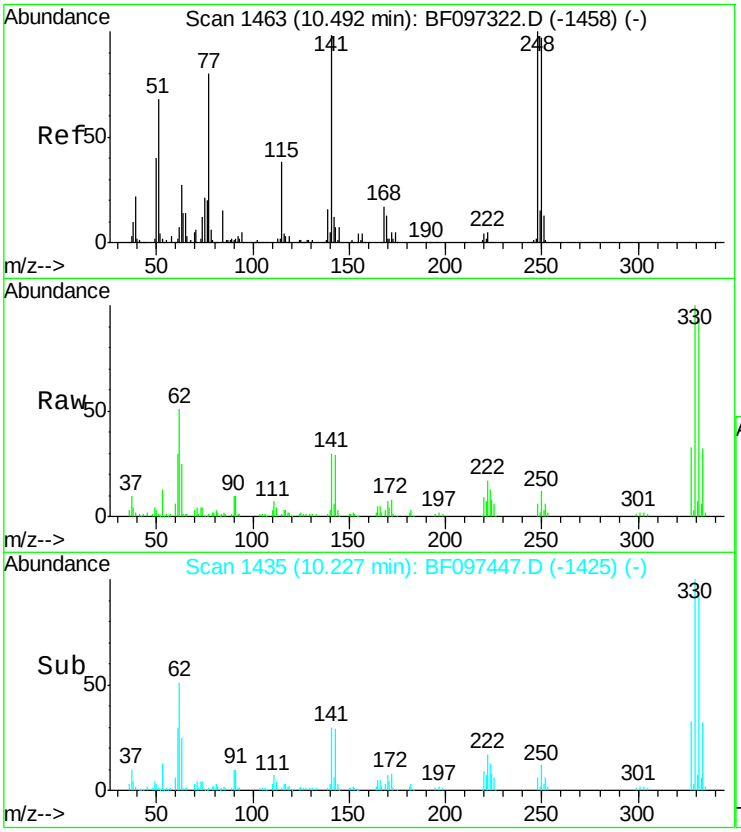


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:188 Resp: 189949

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.2	10.2	15.2



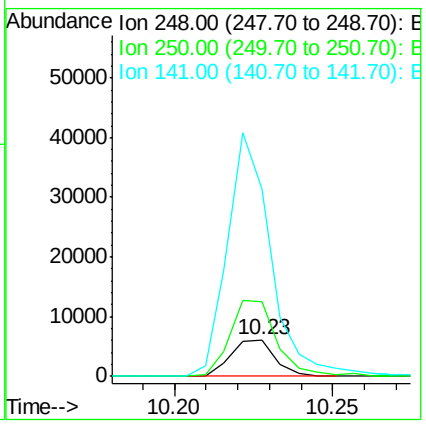


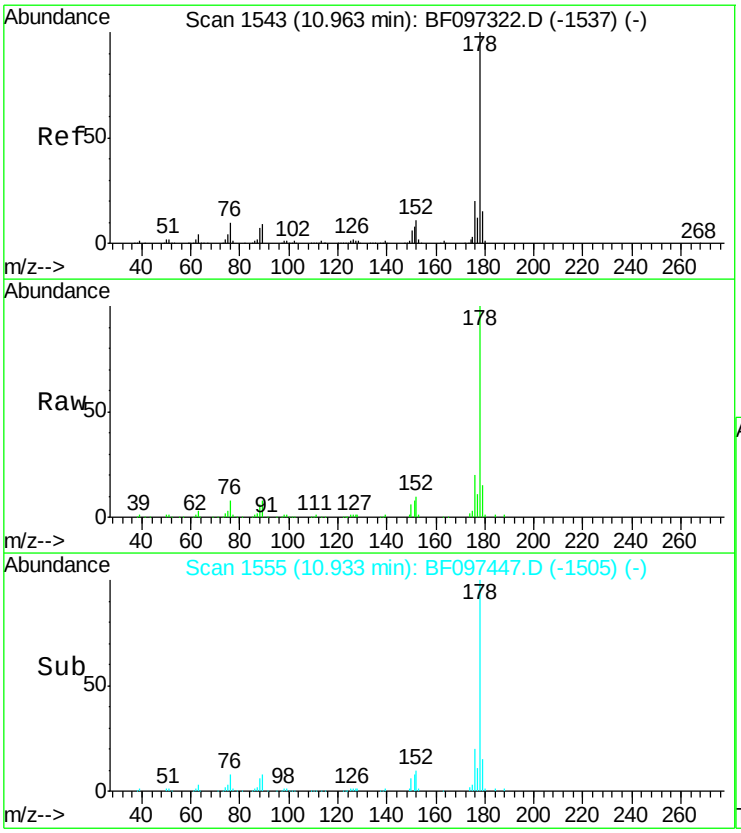
#66
4-Bromophenyl-phenylether
Concen: 3.15 ng
RT: 10.23 min Scan# 1435
Delta R.T. -0.24 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:248 Resp: 5978

Ion	Ratio	Lower	Upper
248	100		
250	204.8	76.8	115.2#
141	511.3	68.6	103.0#

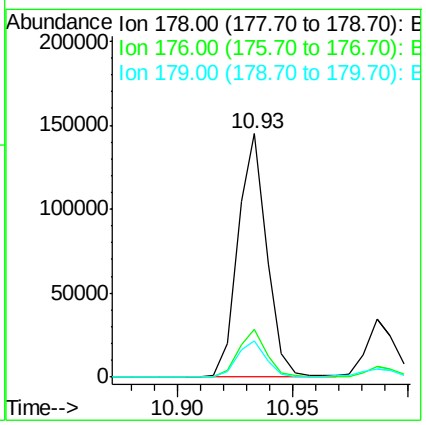


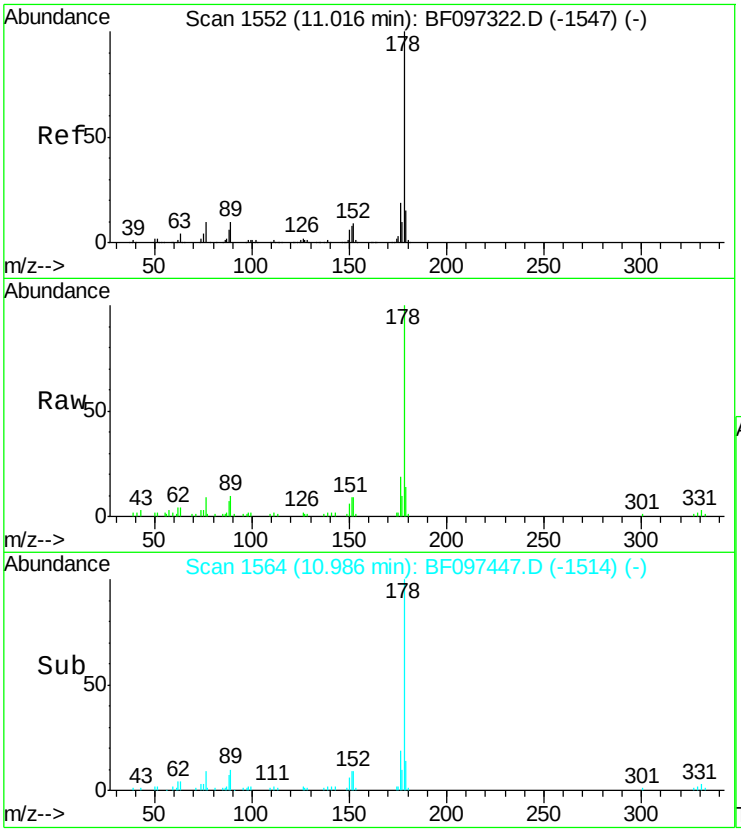


#70
Phenanthrene
Concen: 12.38 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:178 Resp: 126017

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.7	12.6	19.0



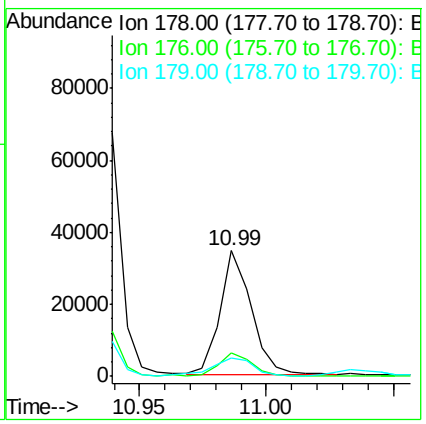


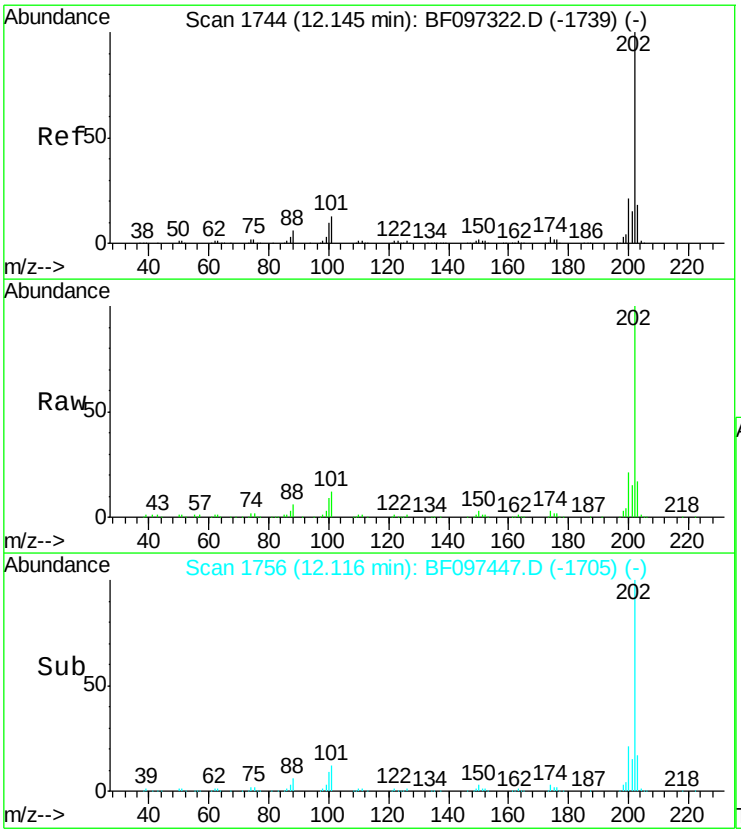
#71
Anthracene
Concen: 2.85 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:178 Resp: 29659

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.5	12.7	19.1

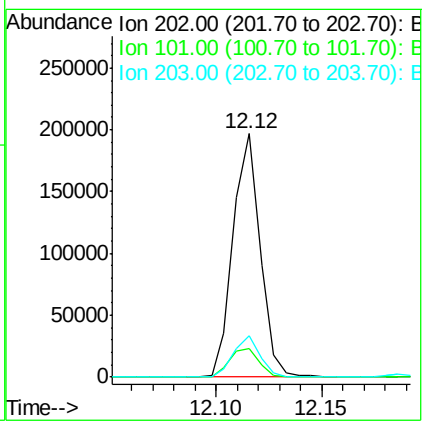


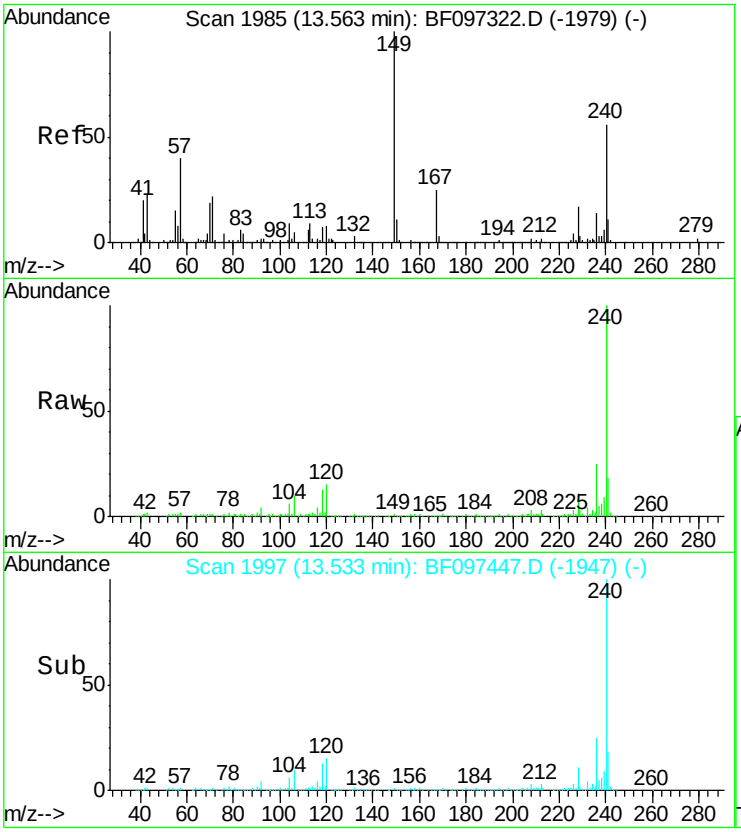


#74
Fluoranthene
Concen: 17.53 ng
RT: 12.12 min Scan# 1756
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:202 Resp: 174828

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.2	0.0	38.1



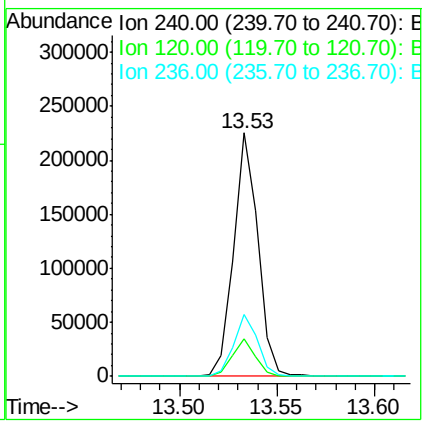


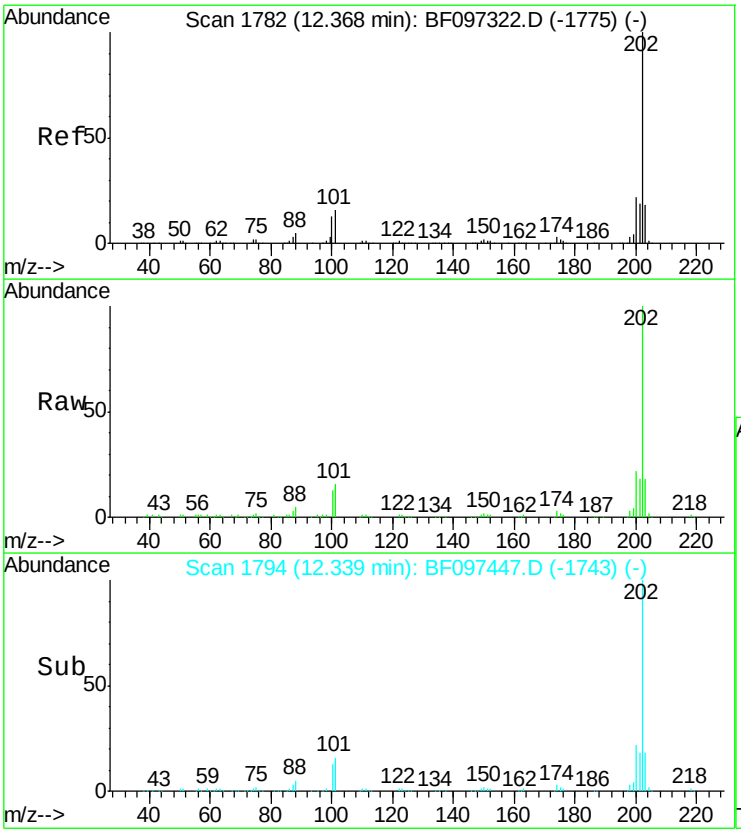
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.53 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:240 Resp: 194042

Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	25.3	20.5	30.7

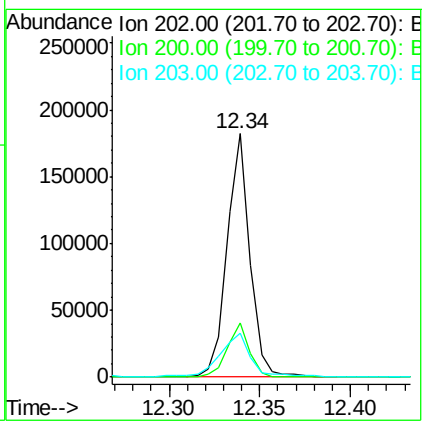


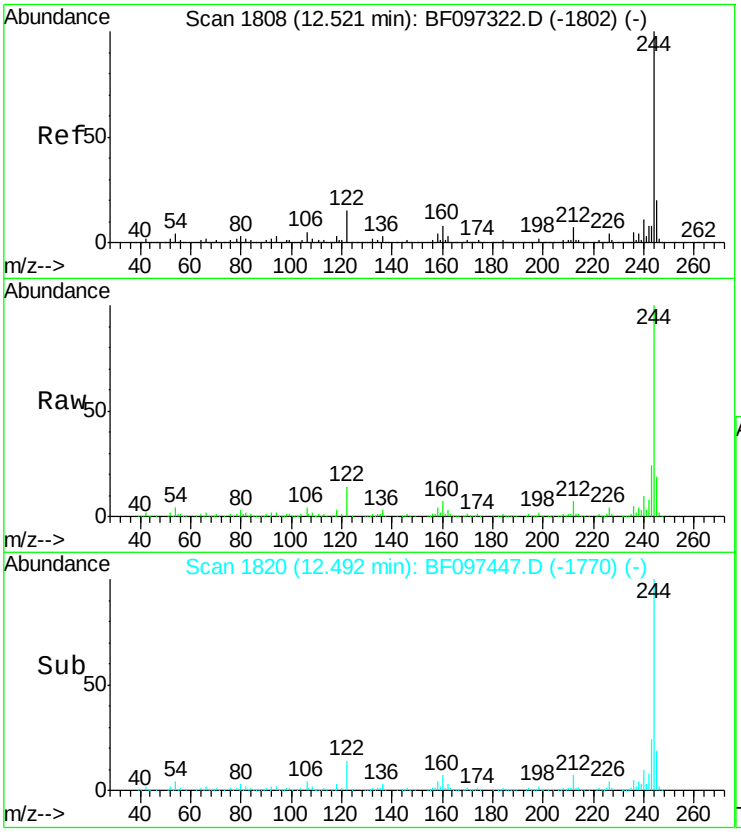


#77
Pyrene
Concen: 10.12 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:202 Resp: 160716

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	17.8	14.4	21.6



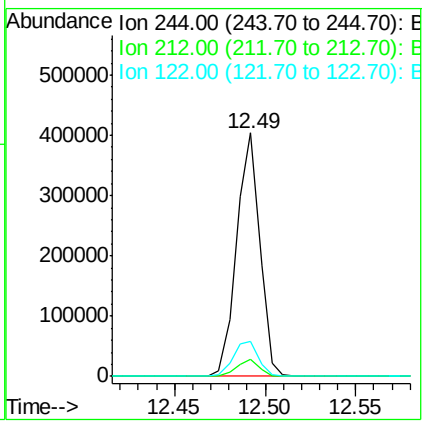


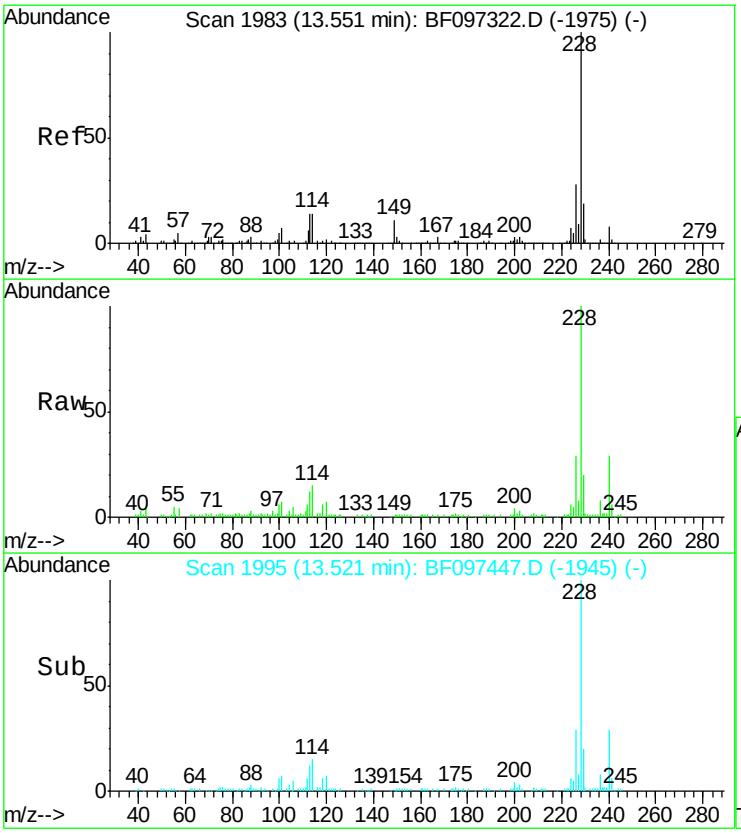
#78
Terphenyl-d14
Concen: 37.69 ng
RT: 12.49 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:244 Resp: 358737

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.2	10.3	15.5

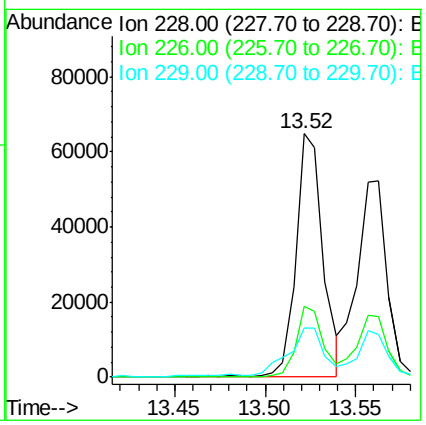


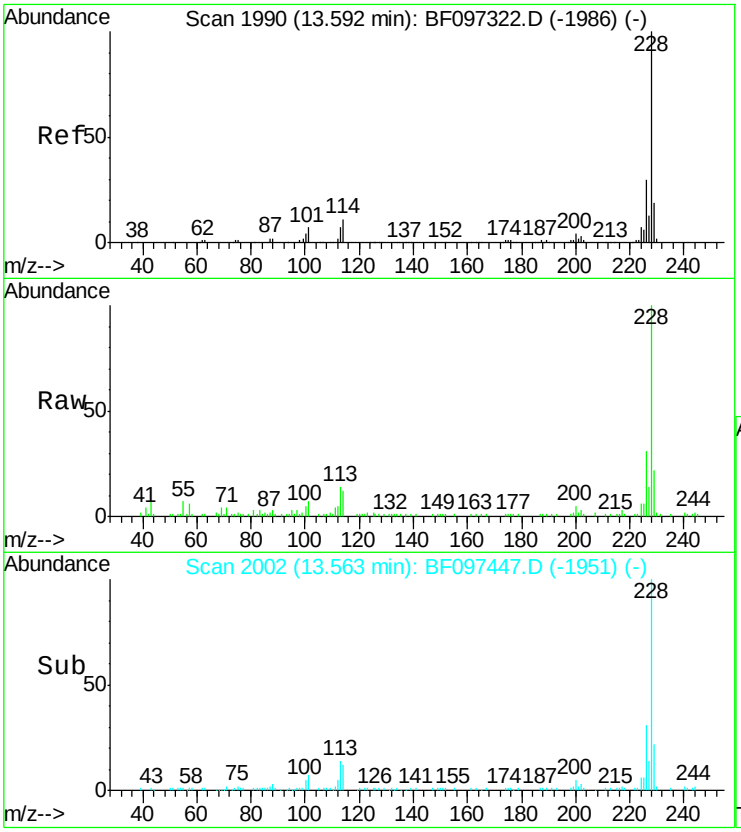


#80
Benzo(a)anthracene
Concen: 5.41 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:228 Resp: 67955

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.1	16.3	24.5



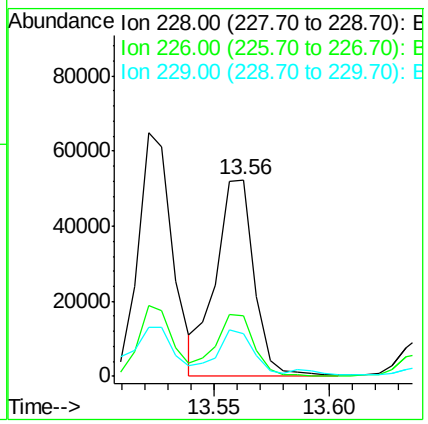


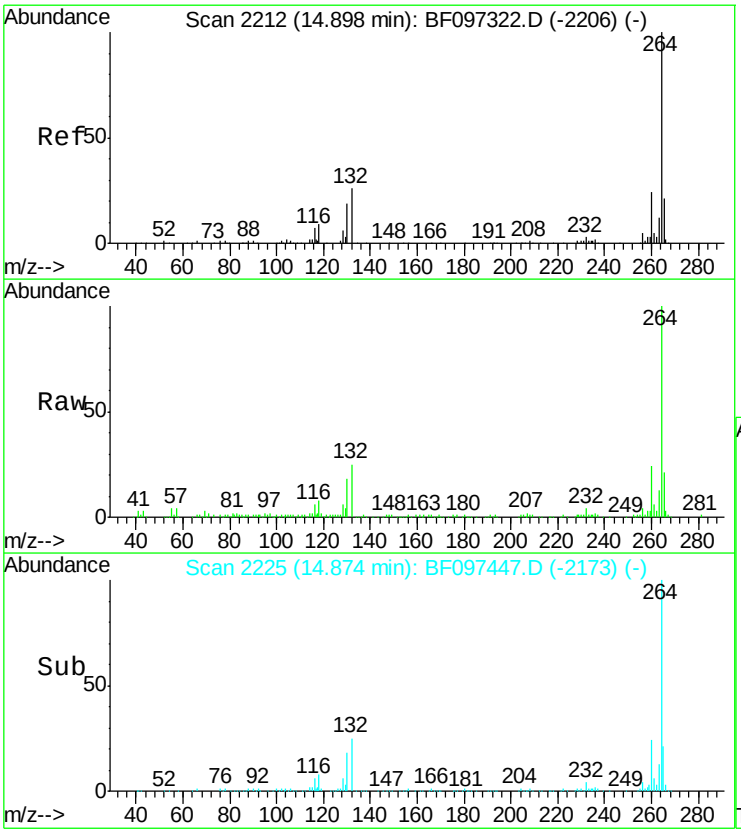
#82
Chrysene
Concen: 4.98 ng
RT: 13.56 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:228 Resp: 61025

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.5	15.8	23.6

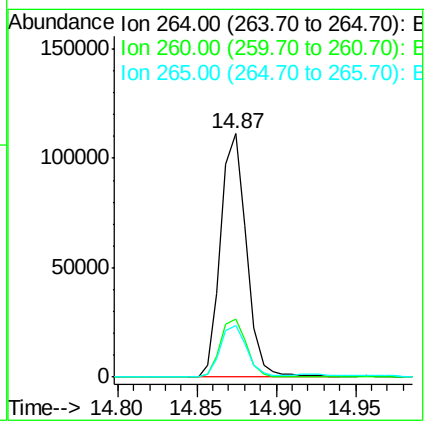


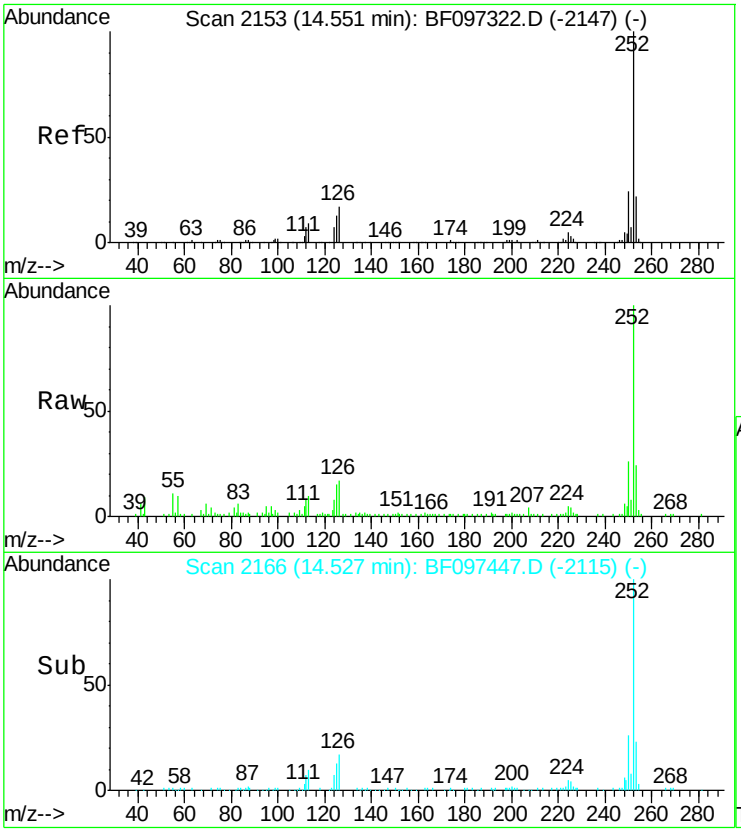


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:264 Resp: 126393

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.0	17.2	25.8



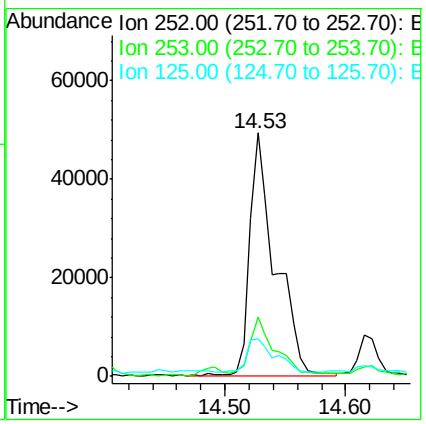


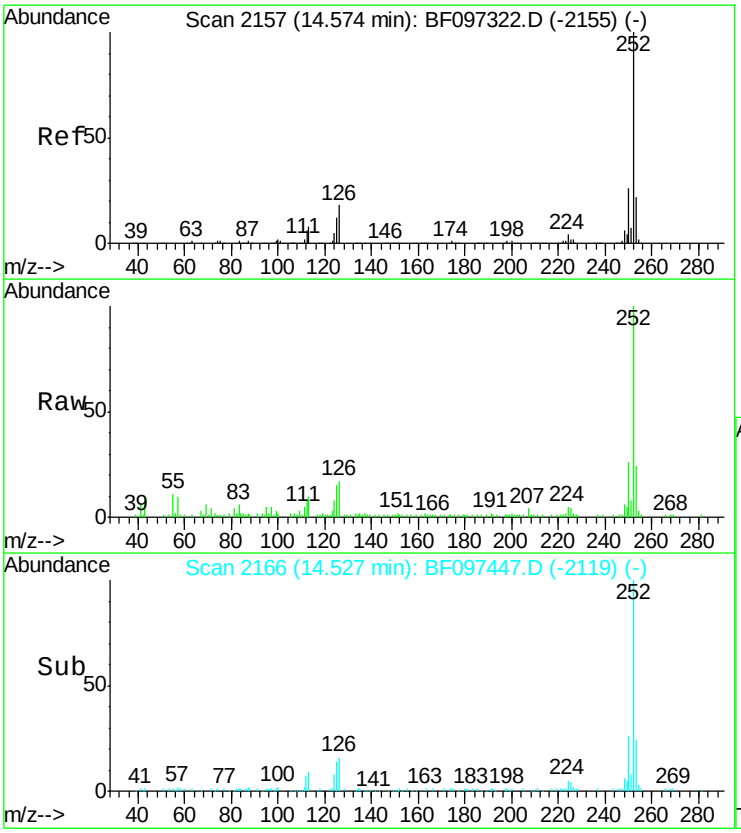
#87
Benzo(b)fluoranthene
Concen: 9.66 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:252 Resp: 73419

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	15.4	9.8	14.8#

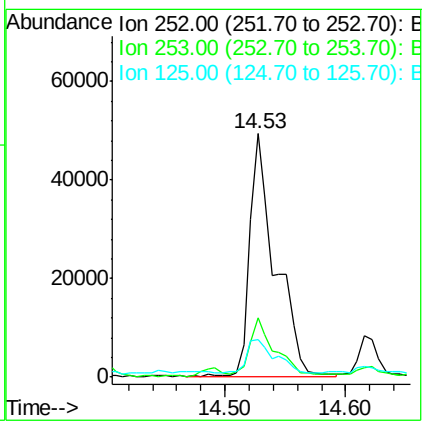


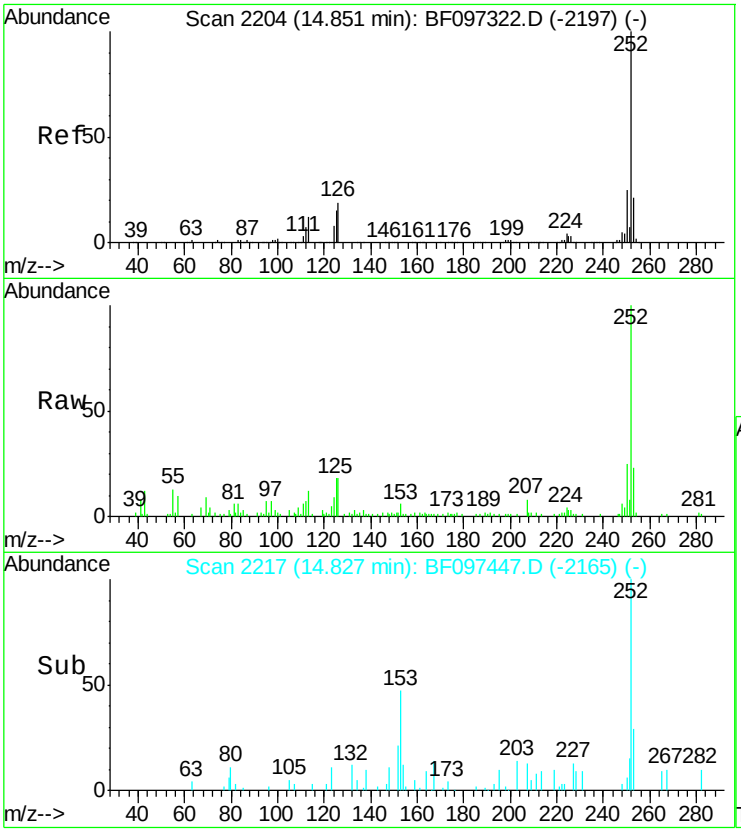


#88
Benzo(k)fluoranthene
Concen: 10.14 ng
RT: 14.53 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:252 Resp: 73419

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	15.4	13.1	19.7



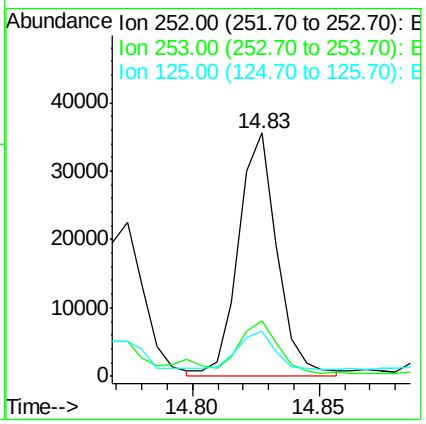


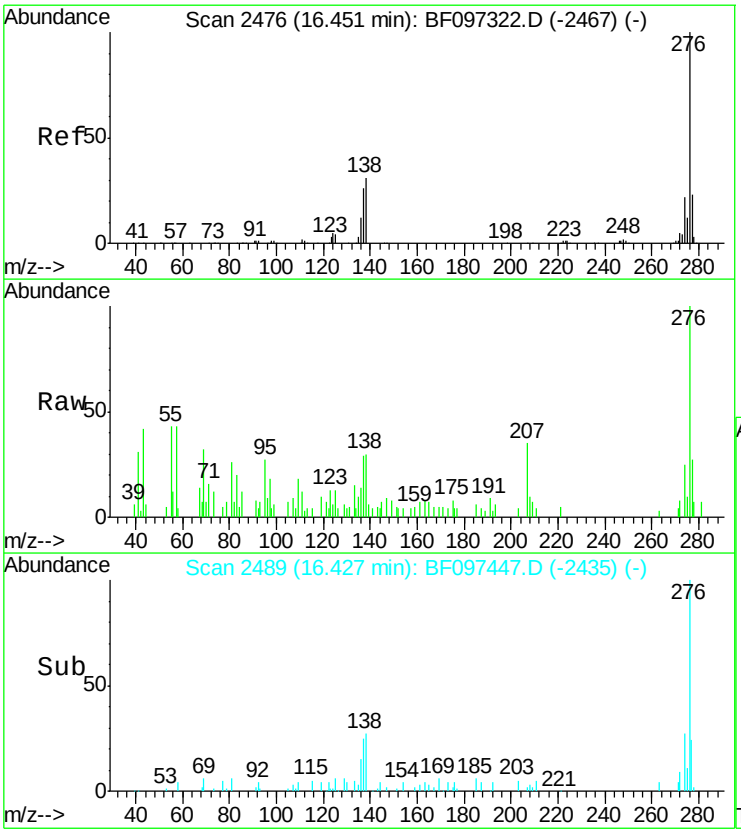
#89
Benzo(a)pyrene
Concen: 5.46 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tgt Ion:252 Resp: 37982

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	18.3	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 2.88 ng
RT: 16.43 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:276 Resp: 17234

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	30.0	25.4	38.0